



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Robert Todd Belt

Actuated Deformable Membrane Mirror

Serial No.:

10/734,699

Filing Date:

Dec. 12, 2003

Examiner:

Not assigned yet

Group Art Unit: Not assigned yet

Docket No.:

RTB001US

San Jose, California February 6, 2004

COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER CFR § 1.97(b)

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, Applicants call to the attention of the Examiner the documents listed on the attached substitute PTO Form-1449A.

Copies of the listed documents are enclosed.

Citation of the above documents shall not be construed as:

- an admission that the documents are necessarily prior art with respect to the instant invention:
 - 2. a representation that a search has been made; or
- 3. an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

No fee is believed required for submission of this information disclosure statement. However, the Commissioner is hereby authorized to charge any fees that may be required for consideration of this information disclosure statement to Deposit Account No. 50-1767.

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Respectfully submitted,

David Millers

Attorney for Applicants

Reg. No. 37,396

THE PATENT LAW OFFICES OF DAVID MILLERS

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	Application Number	10/734,699	
NFORMATION DISCLOSURE	Filing Date	Dec. 12, 2003	
STATEMENT BY APPLICANT	First Named Inventor	Robert Todd Belt	
	Group Art Unit		
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Attorney Docket Number

U.S. PATENT DOCUMENTS								
Examiner Initials *	Cite No.1	U.S. Patent Docu Number Kind C (if kno	ode ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevan Passages or Relevant Figures Appear		
	1_	5,589,725		Haertling	12-31-1996	ALL		
	2	6,108,121		Mansell et al.	08-22-2000	ALL		
	3	6,247,908	B1	Shinohara et al.	06-19-2001	ALL		
	4	6,359,374	B1	Dausch et al.	03-19-2002	ALL		
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	6	2001/0043027	A1	Hellbaum et al.	11-22-2001	ALL		
<u> </u>	7	2002/0041131	A1	Takeuchi et al.	04-11-2002	ALL		

	FOREIGN PATENT DOCUMENTS								
F.,,,,,,	611	Foreign Patent Document		Name of Patentee	Date of Publication of	Pages, Columns, Lines,			
Examiner Initials*	Cite No. ¹	Office ³	Number ⁴	Kind Code ⁵ (<i>if known</i>)	or Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	T ₆	
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Group Art Unit					
Examiner Name					
Attorney Docket Number	RTB001US				

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
•	8 /	Bifano, Thomas G. et al., "Continuous-membrane Surface-micromachined Silicon Deformable Mirror" Optical Engineering 36:5 (May 1997) p. 1354-1360.	
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Sheet	3	of	3	Attorney Docket Number	RTB001US	

	·	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
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	19	Winsor, R. et al., "Low Cost Membrane Type Deformable Mirror With High Density Actuator Spacing" Proceedings of SPIE – Adaptive Optical Systems and Technology, Munich, Germany (March 29-31, 2000) p. 563-572.	
	20 /	Yang, Eui-Hyeok (EH) et al., "Design and Fabrication of Electrostatic Actuators With Corrugated Membranes for MEMS Deformable Mirror in Space" Proceedings of SPIE – Imaging Technology and Telescopes, San Diego, California, Vol. 4091 (July 30-31, 2000) p. 83-89.	

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